

**Former NOP Restoration Advisory Board Meeting  
30 August 2005  
Consensus Questions**

**1. Want to have ski lake sampled (J. Piercy).**

The US Army Corps of Engineers, Kansas City District (KCD) will collect a water sample from the ski lake located in Marble Township, Section 23. The sample will be collected as part of the normal sampling scheduled to take place in September/October 2005. The sample will be tested only for the 7 Contaminants of Concern (CoC's) that are the subject of the ongoing clean-up project resulting from past Dept. of Defense activities at the site. The sample results will be compared to the applicable Surface Water Quality Standards as defined by the State of Nebraska. Compounds that do not have a standard defined by the State of Nebraska will be compared to the findings of the "*Revised Baseline Risk Assessment for OU3, Former NOP Site*," dated February 2000. These results will be reported to the landowner, included in the routine sampling reports generated for this project, and will also be reported at a future RAB meeting, as soon as they are available for publication. KCD sees this as a one time sampling event and has no plans to add the ski lake to future periodic events.

**2. Want Anderson and Clausen tested regularly, as well as homes surrounding Anderson that are outside of 1-mile buffer zone (L. Wageman).**

The residences of Doug Anderson and Kenneth Clausen are currently part of the Groundwater Monitoring Program and are sampled on an annual basis. These particular wells were sampled during the current Water Supply Well Sampling Event, ongoing in September/October 2005. Homes adjacent to Anderson outside the one-mile buffer zone will not be sampled unless results show levels at half the action level or greater at the Anderson well. (See detailed explanation of buffer zone expansion in Question 4)

**3. Want new home next to Piercy (Steve Otte) tested (K. Funk).**

The KCD will collect a water sample from this new house, after permission is obtained from the property owner. This house will be included in future Buffer Zone sampling events. The sample results will be reported consistent with other privately owned water supply wells, sampled as part of the Buffer Zone sampling program (i.e. results will be sent directly to property owner, and results will be included in routine project reports).

**4. Wants 1-mile buffer zone expanded if there is any detect in any of the wells (P. Randazzo).**

Any privately owned water supply well that is tested and shown to be above the defined safe drinking water levels for any of the 7 COC's at this site, will be included in the normal quarterly sampling program and bottled water and/or activated carbon filters will be provided by KCD.

The process and procedure by which the Buffer Zone sampling program will be expanded in the future is highly dependent on future sampling results and the sample locations relative to other monitoring wells and privately owned water supply wells in the area. In general, these procedures can be summarized by stating if any monitoring well or privately owned water supply well is shown to contain any of the 7 COC's for this site, at levels above one-half the defined safe drinking water level, additional sampling will be performed in that localized area. The number of wells sampled in that localized area and how often those wells are sampled (up to quarterly) during the year will be increased. This however, does not mean that the Buffer Zone sampling program will be immediately expanded across the entire site.

A more detailed description of these procedures will be published by KCD.

**5. Corps must add additional monitoring wells due North/West of NRD reservoir to establish a baseline for M.U.D. pumping (L. Wageman).**

The exact number of location of new monitoring wells to be installed along the eastern boundary of the site, have yet to be determined. However, KCD will place a suitable number of monitoring wells in locations sufficient to observe any unacceptable effects on the Mead plume resulting from M.U.D. operations. It is expected that a number of new wells will be located in the vicinity of the NRD reservoir, in the northern and eastern directions.

**6. Wants the public to be informed of “disputes” going on between the Corps of Engineers and EPA (areas in which our opinions differ). (L. Wageman)**

EPA, NDEQ, and the Corps often discuss and have different technical opinions on how to best approach this Site. Although the term “dispute” is routinely used, these discussions are a part of the deliberative process many professionals use to reach consensus on technical or policy issues and do not necessarily constitute an adversarial “dispute”. The Draft Final Document provided to the public represents the resolution of many of these issues. Current updates on the status of Draft Final Document submittals and the impact, if any, of an ongoing or future “dispute” among the EPA, NDEQ, or Corps will be provided at the RAB.

**7. NWK must provide (through Omaha) to M.U.D. an updated plume map and direction to use that updated map within their next groundwater model (phase 2) (L. Wageman, L. Moorer).**

An updated map was provided to USACE-Omaha District on September 1, 2005, for dissemination to M.U.D. Kansas City and Omaha Districts are planning to meet with M.U.D. in the very near future to discuss their Phase II Groundwater Model and placement of monitoring wells.

**8. Follow up with Omaha District regarding commenting on “Sampling and Analysis Plan for Groundwater...” from Kevin Tobin to Rodney Schwartz April 2005 (in NDEQ files) (L. Moorer).**

KCD followed up with Omaha District on September 9, 2005. Omaha District also provided a detailed response on August 31, 2005, to an August 16, 2005, letter from Lynn Moorer on the same subject.

**9. How fast does groundwater move in Todd vs. Platte Valley (Mr. Gustafson).**

The geologic and the hydrogeologic characteristics of the site are described in the Remedial Investigation Report for Operable Unit No. 2 (Groundwater), Volumes I, II, II, and IV, Woodward-Clyde Consultants, May 1993.

The differences between the Todd Valley, and the Platte are significant and are addressed in all of our evaluations of the groundwater at this site. Actual groundwater velocities will vary, due to seasonal effects and effects of localized geologic features. Therefore, it is difficult to define a single value for the velocity. However, in this case, it is appropriate to state that the average groundwater velocity in the Platte Valley is two to three times faster than the groundwater velocity in the Todd Valley.

**10. Please place in information repository the partial update of our groundwater model that Bill McFarland referred to in 06 May 2005 letter (L. Moorer).**

Groundwater model updates referred to in the May 6, 2005 letter are discussed in the Load Line 1 remedial design documents. The design incorporated many of the regulator comments regarding the groundwater model. The remaining regulator comments that have yet to be addressed will be incorporated into the next version of the site groundwater model, scheduled for publication in the Spring of 2006.